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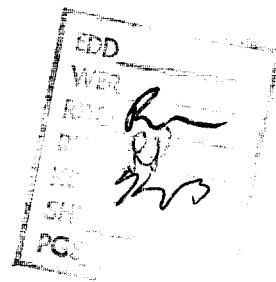
25X1

NPIC/R-1513/63

October 1963

PHOTOGRAPHIC INTERPRETATION REPORT

IPIR  
MISSION GRC 180  
30 SEPTEMBER 1963

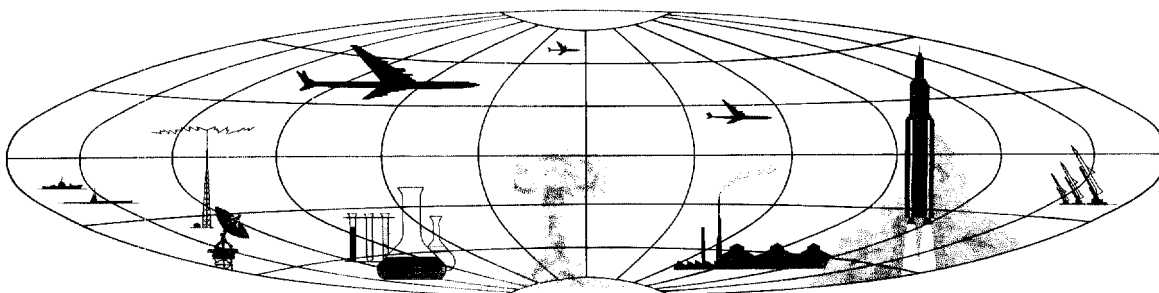


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GROUP 1  
Excluded from automatic  
downgrading and declassification

25X1

W A R N I N G

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## NATIONAL PHOTOGRAPHIC INTERPRETATION CENTER

### IMMEDIATE PHOTOGRAPHIC INTERPRETATION REPORT

#### PREFACE

THIS REPORT REPRESENTS THE PRELIMINARY INTERPRETATION  
OF CHURCH DOOR MISSION GRC 180, FLOWN 30 SEPTEMBER  
1963

25X1D

25X1D

THIS REPORT DEALS PRIMARILY WITH THE HIGHEST PRIORITY  
INTELLIGENCE ITEMS APPEARING IN THE COMOR TARGET LIST.  
HOWEVER, IT ALSO INCLUDES OTHER SIGNIFICANT TARGETS  
OBSERVED DURING THE SCAN OF PHOTOGRAPHY. TARGETS ARE  
ARRANGED BY SUBJECT AND, WITHIN EACH SUBJECT, BY  
COMOR TARGET NUMBER, WHICH APPEARS AT THE END OF THE  
HEADER LINE. SIGNIFICANT TARGETS NOT IN THE COMOR  
TARGET LIST ARE INCLUDED UNDER THE APPROPRIATE SUBJECT  
FOLLOWING THE COMOR LISTED TARGETS.

SYMBOLS USED TO INDICATE CONDITIONS WHICH AFFECT THE  
APPEARANCE OF THE TARGET ON THE PHOTOGRAPHY ARE AS  
FOLLOWS -- C (CLEAR), SC (SCATTERED CLOUDS),  
HC (HEAVY CLOUDS), H (HAZE), AND O (OBLIQUITY).

#### -MISSILES-

25X1A

HAI-NAN TAO POSSIBLE MISSILE SITES 1900N 10930E

NO MISSILE FACILITIES OBSERVED IN CLOUD-FREE AREAS.

25X1D

WU-CHIH-SHAN SUSPECT SAM SITE 1854N 10940E

25X1A

NO MISSILE ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

CHING-YANG, SUSPECT MISSILE SITE 2449N 11805E

NO MISSILE ACTIVITY OBSERVED WITHIN A 20 NM RADIUS OF

25X1A

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ABOVE COORDINATES.

25X1D

-AIRFIELDS-

25X1A

CHING-YANG AIRFIELD 2448N 11835E

7 NM SE OF CHING-YANG AND 5.8 NM SOUTH OF CHIN-CHIANG.  
6,600 X 210 FT NE/SW CONCRETE RUNWAY, APPARENTLY SERVICEABLE.  
FACILITIES INCLUDE A LOOP TAXIWAY PARALLEL TO AND WEST OF RUNWAY WITH 4 CROSSOVER LINKS, 2 CONCRETE PARKING APRONS WEST OF TAXIWAY, PARKING LOOP WITH 12 REVETMENTS AND ONE HANGAR NW OF TAXIWAY, PARKING LOOP WITH ONE HANGAR AND 7 REVETMENTS SW OF TAXIWAY, AND TAXIWAY WITH 13 REVETMENTS EXTENDING SSW FROM PARKING LOOP.  
TWENTY OCCUPIED 8-GUN AAA POSITIONS, 8 OCCUPIED 4-GUN AAA POSITIONS, ONE 4-GUN AAA POSITION (3 EMPLACEMENTS OCCUPIED), ONE UNOCCUPIED 4-GUN AAA POSITION WITH ONE-AAA GUN AND 5 TRUCKS IN ADJACENT CLEARING, ONE UNOCCUPIED 4-GUN AAA POSITION, OBSERVED ALONG THE RUNWAY, MAIN TAXIWAY, AND AROUND PERIMETER OF AIRFIELD. SIXTY VEHICLES AND 65 TENTS OBSERVED IN THE AREA.  
ONE OCCUPIED 4-GUN AAA POSITION, ONE 8-GUN AAA POSITION (7 OCCUPIED EMPLACEMENTS), AND 6 VEHICLES OBSERVED APPROXIMATELY .8 NM SOUTH OF AIRFIELD.  
MILITARY INSTALLATION CONTAINING 27 BUILDINGS AND APPROXIMATELY 100 VEHICLES OBSERVED APPROXIMATELY 2.1 NM WEST OF AIRFIELD.  
AIRCRAFT -- NONE OBSERVED.  
(SEE ATTACHMENT 1).

25X1D

HAI-KOU AIRFIELD 2001N 11021E

25X1A

ONE NM SOUTH HAI-KOU AND ONE NM NORTH OF CHIUNG-SHAN.  
6,600 X 200 FT E/W CONCRETE RUNWAY, SERVICEABLE.  
NO NEW CONSTRUCTION OBSERVED.  
AIRCRAFT -- 29 FAGOT.

25X1D

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25X1

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25X1A

HSIN-CHENG AIRFIELD 2533N 11436E

10 NM SW OF NAN-KANG.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

AIRCRAFT -- NONE OBSERVED.

25X1D

25X1A

HSING-NING AIRFIELD 2409N 11545E

IDENTIFICATION ONLY.

25X1D

25X1A

HUI-AN AIRFIELD 2501N 11848E

1.5 NM SSE OF HUI-AN.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

25X1D

AIRCRAFT -- NONE OBSERVED.

25X1D

25X1A

CANTON/WHITE CLOUD AIRFIELD 2311N 11316E

3 NM NORTH OF KUANG-CHOU.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

25X1D

NO NEW CONSTRUCTION OBSERVED IN CLOUD-FREE AREAS.

AIRCRAFT -- 2 CRATE, 2 CAB, ONE COLT, AND ONE UNIDENTIFIED LIAISON-TYPE.

25X1D

25X1A

LIEN-CHENG AIRFIELD 2540N 11645E

2.5 NM SOUTH OF LIEN-CHENG.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

25X1D

AIRCRAFT -- NONE OBSERVED.

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25X1

NPIC/R-1513/63

25X1D

[REDACTED]

25X1A

[REDACTED]

LING-SHUI AIRFIELD 1830N 10959E

2.9 NM WEST OF LING-SHUI.  
8,200 X 220 FT NNW/SSE CONCRETE RUNWAY, SERVICEABLE.  
FACILITIES INCLUDE PARALLEL TAXIWAY, 3 PARKING APRONS,  
2 ALERT APRONS, MEDIUM-SIZED HANGAR, AND OPERATIONS  
BUILDING.  
NO NEW CONSTRUCTION OR COMMUNICATIONS OBSERVED.  
AIRCRAFT -- 33 FAGOT/FRESCO.  
(SEE ATTACHMENT 2).

25X1D

[REDACTED]

25X1A

[REDACTED]

LIU-CHOU AIRFIELD 2417N 10923E

2 NM SSW OF LIU-CHOU.  
NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
AIRCRAFT -- NONE OBSERVED.

25X1D

[REDACTED]

25X1D

[REDACTED]

25X1A

[REDACTED]

LUNG-CHI AIRFIELD 2434N 11739E

NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
AIRCRAFT -- 24 PROBABLE FAGOT/FRESCO AND ONE  
UNIDENTIFIED STRAIGHT-WING AIRCRAFT.

25X1D

[REDACTED]

25X1D

[REDACTED]

25X1A

[REDACTED]

LUNG-TIEN AIRFIELD 2534N 11927E

2.2 NM SOUTH OF LUNG-TIEN.  
7,000 X 200 FT, NE/SW CONCRETE RUNWAY, SERVICEABLE.  
AIRCRAFT -- NONE OBSERVED.

25X1D

[REDACTED]

[REDACTED]

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25X1

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25X1A

CANTON/NAN-HAI AIRFIELD 2305N 11304E

25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

EXCEPT FOR AN OCCUPIED 6-GUN AAA SITE AT THE SSW END OF AIRFIELD.

25X1D

DETERIORATION AS REPORTED IN IS PROBABLY WATER STANDING ON RUNWAY.

AIRCRAFT -- 31 FAGOT/FRESCO AND 2 LIAISON-TYPE.

25X1D

25X1A

FU-CHOU/NAN-TAI AIRFIELD 2600N 11919E

25X1D

5 NM SOUTH OF FU-CHOU.  
NO APPARENT CHANGE SINCE MISSION  
AIRCRAFT -- 27 FAGOT/FRESCO.

25X1D

25X1A

SHUI-KOU AIRFIELD 2303N 11436E

25X1D

11.5 NM ESE OF HUI-YANG.  
NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
AIRCRAFT -- 18 FAGOT/FRESCO.

25X1D

25X1A

SUI-CHI AIRFIELD 2124N 11012E

25X1D

IDENTIFICATION ONLY.

25X1A

TSUNG-HUA AREA, AIRFIELD 2333N 11334E

25X1D

NO AIRFIELD OBSERVED IN CLOUD-FREE AREAS WITHIN A 10 NM RADIUS OF ABOVE COORDINATES.

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25X1

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25X1A

SWATOW AIRFIELD NORTHEAST 2325N 11645E

5.5 NM NE OF SHAN-TOU.

~~NO APPARENT CHANGE~~ IN FACILITIES SINCE MISSION

25X1D

AIRCRAFT -- NONE OBSERVED.

25X1D

25X1A

SAN-YA AIRFIELD 1817N 10927E

3.7 NM NW OF SAN-YA.

4,700 X 200 FT NE/SW RUNWAY, PROBABLY CONCRETE,  
POSSIBLY SERVICEABLE.

3,400 X 160 FT NW/SE RUNWAY, PROBABLY CONCRETE,  
UNSERVICEABLE AND APPARENTLY DETERIORATED AND  
OVERGROWN WITH VEGETATION.

AIRCRAFT -- NONE OBSERVED.

25X1D

-PORTS-

25X1A

CHAN-CHIANG NAVAL BASE 2112N 11025E

EAST EDGE OF CHAN-CHIANG.

~~NO APPARENT CHANGE~~ IN FACILITIES SINCE MISSION

25X1D

VESSELS -- 2 PROBABLE PC.

25X1D

25X1A

YU-LIN NAVAL BASE AND PORT 1813N 10931E

NAVAL BASE OBSCURED BY CLOUDS.

PORT FACILITIES INCLUDE A SMALL PIER, MUD BANK QUAY,  
AND POL STORAGE AREA.

TWO OCCUPIED 4-GUN AAA POSITIONS OBSERVED IN PORT  
AREA AND ONE OCCUPIED 4-GUN CD POSITION OBSERVED

ONE NM SOUTH OF PORT.

NO NAVAL VESSELS OBSERVED.

25X1D

SECRET

25X1



SECRET

25X1

NPIC/R-1513/63

25X1A

SHAN-TOU NAVAL BASE 2321N 11640E

SOUTH EDGE OF SHAN-TOU ON NIU-TIEN YANG (CHANNEL).  
NO NEW CONSTRUCTION OBSERVED.  
VESSELS -- ONE PF, 2 PC, 2 COASTAL FREIGHTERS, AND  
NUMEROUS SMALL CRAFT.

25X1D

25X1A

HUANG-PU NAVAL BASE 2305N 11325E

25X1D

25X1D

9 NM ESE OF KUANG-CHOU ON HUANG-PU TAO (ISLAND).  
NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
EXCEPT THAT LARGE MONITOR-ROOF  
BUILDING REPORTED AS UNDER CONSTRUCTION NOW APPEARS  
COMPLETED, AND CONSTRUCTION IS APPARENTLY BEGINNING  
ON ANOTHER LARGE BUILDING .4 NM SOUTH OF NEWLY  
COMPLETED BUILDING.  
NO INDICATION OF REACTIVATION OF OLD GRAVING DOCKS AND  
NO EVIDENCE OF SUBMARINE CONSTRUCTION.  
VESSELS -- NUMEROUS SMALL CRAFT OBSERVED. OBLIQUITY  
PRECLUDES FURTHER INTERPRETATION.

25X1D

25X1A

NAO-CHOU TAO, SUSPECT SUBMARINE BASE 2055N 11035E

NO SUBMARINE BASE OBSERVED IN CLOUD-FREE AREAS.

25X1D

-MILITARY ACTIVITY-

25X1A

CHANG-CHI ARMY BARRACKS SOUTH 2343N 11652E

25X1D

14 NM EAST OF CHAO-AN.  
NO APPARENT CHANGE IN FACILITIES SINCE MISSION  
OBLIQUITY PRECLUDES IDENTIFICATION OF TENTS OR  
VEHICLES.

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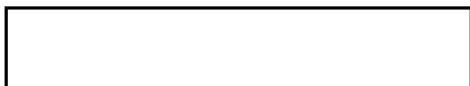
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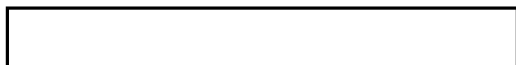
25X1A

CHIEH-YANG ARMY BARRACKS HSI-CHANG ESE 2336N 11620E



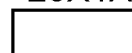
1.5 NM EAST OF HSI-CHANG AND 3 NM NORTH OF CHIEH-YANG.  
BARRACKS AREA CONTAINS TOTAL OF 20 BARRACKS,  
7 ADMINISTRATIVE AND 10 STORAGE/SUPPORT BUILDINGS.  
THREE SMALL STORAGE AREAS CONTAIN 22 STORAGE  
BUILDINGS.

25X1D



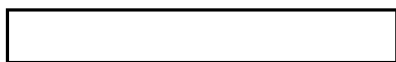
25X1A

CHANG-PING, MILITARY ACTIVITY 2518N 11724E



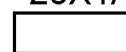
NO MILITARY GARRISONS OBSERVED WITHIN A 5 NM RADIUS  
OF CHANG-PING.

25X1D



25X1A

FU-CHING ARMY BARRACKS NW SHAN-TIEN 2547N 11918E



6.5 NM NW OF FU-CHING.  
AREA COMPRISES 35 BARRACKS, 5 ADMINISTRATIVE  
BUILDINGS, 25 SUPPORT BUILDINGS, AND A STORAGE AREA  
WITH 19 STORAGE BUILDINGS.  
HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.

25X1D



25X1A

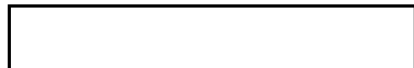
HUI-YANG ARMY BARRACKS AND HQ WEST 2305N 11423E



25X1D

1.5 NM WEST OF HUI-YANG.  
NO APPARENT CHANGE SINCE MISSION   
OCCUPANCY OF DEFENSE POSITIONS CANNOT BE DETERMINED.

25X1D

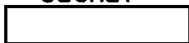


25X1A

HUNG-LAI ARMY BARRACKS SE 2503N 11833E



NO MILITARY INSTALLATIONS OBSERVED NORTH OF HUNG-LAI.  
LARGE MILITARY AREA, APPROXIMATELY 2.5 NM SE OF  
HUNG-LAI, INCLUDES 33 BARRACKS-TYPE, 12  
ADMINISTRATIVE-TYPE, AND 27 STORAGE/SUPPORT



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BUILDINGS, 4 PROBABLE MESS HALLS, AND 28 VEHICLE/  
EQUIPMENT REVETMENTS (16 COVERED BY GABLE-ROOF SHEDS).  
THIRTY-TWO VEHICLES AND 2 TENTS OBSERVED.

25X1D

25X1A

LIEN-CHIANG ARMY BARRACKS NW CHIAO-PU 2614N 11930E

14 NM NE OF FU-CHOU.  
BARRACKS AREA CONTAINS 8 BARRACKS-TYPE AND ONE  
T-SHAPED PROBABLE ADMINISTRATIVE-TYPE BUILDING.  
HAZE AND OBLIQUITY PRECLUDE FURTHER INTERPRETATION.

25X1D

25X1A

LU-TSU HSU, MILITARY INSTALLATION 2507N 11922E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1D

25X1A

LUNG-TIEN AAA SITE 2535N 11928E

A 6-GUN AAA SITE (3 OCCUPIED POSITIONS) OBSERVED  
ADJACENT TO NE END OF LUNG-TIEN AIRFIELD AND ONE NM  
SSE OF LUNG-TIEN.  
MILITARY AREA, COMPRISING APPROXIMATELY 10 BARRACKS-  
TYPE, 5 ADMINISTRATIVE-TYPE, AND 20 SUPPORT BUILDINGS  
OBSERVED ONE NM NW OF LUNG-TIEN AIRFIELD.  
TOKEN-TYPE RADAR OBSERVED 1.5 NM NE OF LUNG-TIEN,  
AND SCR-270-TYPE RADAR, 2.1 NM SSW OF LUNG-TIEN.

25X1D

25X1A

MEI-HSIEN, MILITARY AREA 2418N 11607E

NO MILITARY ACTIVITY OF ANY SIGNIFICANCE OBSERVED AT  
ABOVE COORDINATES.

25X1D

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25X1

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25X1A

NAN-PING, TROOP ASSEMBLY AREA 2638N 11810E

NW EDGE OF NAN-PING.  
AREA CONTAINS PROBABLE HOSPITAL WITH 10 BUILDINGS  
INTERCONNECTED BY COVERED WALKWAYS AND APPROXIMATELY  
8 ASSOCIATED BUILDINGS.  
NO MILITARY ACTIVITY OBSERVED.

25X1D

25X1A

NAN-AN ARMY BARRACKS 2457N 11823E

5.1 NM SE OF NAN-AN.  
DISPERSED MILITARY INSTALLATION CONTAINS A TOTAL OF  
16 BARRACKS-TYPE, 5 ADMINISTRATIVE-TYPE, AND 30  
SUPPORT-TYPE BUILDINGS. TWELVE TRUCKS OBSERVED IN  
THE AREA.

25X1D

25X1A

NAN-AO TAO, MILITARY INSTALLATIONS 2326N 11703E

ISLAND, TOTALLY COVERED BY 100 PER CENT CLOUD-FREE  
PHOTOGRAPHY, CONTAINS NUMEROUS BARRACKS,  
ENTRENCHMENTS, AND GUN EMPLACEMENTS.  
A SCR-270-TYPE RADAR WITH ONE CONTROL BUILDING  
OBSERVED ON SE CORNER OF ISLAND AT 23-24N 117-07E.

25X1D

25X1A

NAN-JIH TAO, MILITARY INSTALLATION 2510N 11932E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1D

25X1A

NING-YANG AREA, MILITARY INSTALLATION 2535N 11725E

NO MILITARY ACTIVITY OBSERVED WITHIN A 5 NM RADIUS  
OF NING-YANG.

25X1D

SECRET

25X1

SECRET

25X1

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PU-TIEN ARMY BARRACKS 2529N 11904E

25X1A

NO BARRACKS AREAS OBSERVED NORTH OF PU-TIEN.

TWO BARRACKS AREAS IN PU-TIEN VICINITY.

AREA A (4 NM NE OF PU-TIEN AT 25-29N 119-04E) -- APPROXIMATELY 58 BARRACKS, 8 ADMINISTRATIVE, AND APPROXIMATELY 100 STORAGE/SUPPORT BUILDINGS. TWELVE UNIDENTIFIED VEHICLES OBSERVED IN AREA. UNOCCUPIED 8-GUN AAA SITE AT NORTH EDGE OF AREA, AND 2 UNOCCUPIED AAA SITES AT SE EDGE OF AREA.

AREA B (5.9 NM ENE OF PU-TIEN AND 1.3 NM NORTH OF HAN-CHIANG AT 25-28N 119-06E) -- 25 BARRACKS AND 50 SUPPORT BUILDINGS. NINETEEN VEHICLES OBSERVED.

25X1D

PU-NING ARMY BARRACKS SOUTHWEST 2325N 11609E

25X1A

3 NM SW OF PU-NING.  
BARRACKS AREA COMPRISES 9 ASSOCIATED AREAS WITH A TOTAL OF 61 BARRACKS, AND 5 ADMINISTRATIVE AND 59 STORAGE/SUPPORT BUILDINGS.  
TRENCHES AND TRAINING AREA OBSERVED SW OF BARRACKS AREA.

25X1D

PING-HAI, MILITARY INSTALLATION 2511N 11916E

25X1A

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1D

SHANG-HANG, MILITARY INSTALLATION 2505N 11630E

25X1A

NO MILITARY INSTALLATION OBSERVED IN CLOUD-FREE AREAS.

25X1D

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25X1

SECRET

25X1

NPIC/R-1513/63

25X1A

TUNG-HOU MILITARY AREA 2453N 11824E

25X1D

6 NM EAST OF TUNG-HOU.

NO APPARENT CHANGE IN FACILITIES SINCE MISSION

25X1D

THIRTY FA PIECES AND 20 VEHICLES OBSERVED.

25X1D

25X1A

TUNG-AN, MILITARY AREAS 2444N 11809E

SIX MILITARY AREAS WITHIN A 5 NM RADIUS OF TUNG-AN  
CONTAIN A TOTAL OF APPROXIMATELY 55 BARRACKS AND 35  
ADMINISTRATIVE/SUPPORT BUILDINGS. NO ARTILLERY OR  
VEHICLES OBSERVED.

25X1D

25X1A

YUNG-AN, MILITARY INSTALLATION 2555N 11710E

NO MILITARY ACTIVITY OBSERVED IN CLOUD-FREE AREAS.

25X1D

25X1A

YUN-HSIAO, MILITARY INSTALLATION 2400N 11720E

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES  
ON 100 PER CENT CLOUD-FREE PHOTOGRAPHY.

25X1D

25X1A

CHE-TIEN ARMY BARRACKS SOUTH 2621N 11249E

APPROXIMATELY 6 NM SSE OF CHE-TIEN.

ONLY THE EXTREME SOUTHERN EDGE OF THE BARRACKS AREA  
VISIBLE DUE TO HEAVY CLOUDS AND INCOMPLETE  
PHOTOGRAPHIC COVERAGE.

TWO MULTISTORIED BARRACKS, SEVERAL TRENCHES, 8 SMALL  
UNSECURED VEHICLE PARKS. FORTY-ONE FA PIECES AND 86

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25X1

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UNIDENTIFIED VEHICLES OBSERVED.

25X1D

LIANG-LUNG-HSU ARMY BARRACKS 2327N 11316E

25X1A

IDENTIFICATION ONLY.

25X1D

LUNG-YEN, GARRISONS 2506N 11701E

25X1A

GARRISON ON WEST EDGE OF LUNG-YEN CONTAINS 4 WALLED  
AREAS WITH A TOTAL OF 4 BARRACKS, 5  
ADMINISTRATIVE, 15 STORAGE, AND 19 SUPPORT BUILDINGS,  
AND AN ATHLETIC AREA.  
SECOND GARRISON, ON EAST EDGE OF LUNG-YEN, CONTAINS  
3 AREAS WITH A TOTAL OF 21 BARRACKS, 14  
ADMINISTRATIVE, 10 STORAGE, AND 30 SUPPORT BUILDINGS.

25X1D

LIEN-CHENG, MILITARY ACTIVITY 2547N 11648E

25X1A

NO MILITARY ACTIVITY OBSERVED AT ABOVE COORDINATES.

25X1D

KU-TIEN MILITARY ACTIVITY 2635N 11851E

25X1A

NO MILITARY ACTIVITY OBSERVED WITHIN A 5 NM RADIUS  
OF ABOVE COORDINATES.  
KU-TIEN NOW UNDER WATER BACKED UP BY A LARGE DAM.

25X1D

CHIH-KAN AREA, MILITARY CAMP 2124N 11021E

25X1A

8 NM NORTH OF CHIH-KAN.  
NO APPARENT CHANGE IN CLOUD-FREE AREAS SINCE MISSION

25X1D

NO VEHICLES OR EQUIPMENT OBSERVED.

SECRET

25X1

NPIC/R-1513/63

25X1D



-COMPLEXES-

KUANG-CHOU COMPLEX 2307N 11315E

25X1A



IDENTIFICATION ONLY.

25X1D



HSIA-MEN COMPLEX 2427N 11805E

25X1A



25X1D

NO APPARENT CHANGE IN FACILITIES SINCE MISSION



25X1D

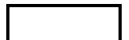
ELEVEN BOX CARS, 9 GONDOLA CARS, AND 2 UNIDENTIFIED  
FREIGHT CARS OBSERVED IN RAILROAD CLASSIFICATION  
YARD.

25X1D



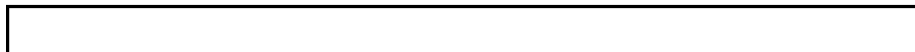
CHIN-CHIANG COMPLEX 2455N 11835E

25X1A



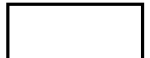
NO MAJOR INDUSTRIES, RAILROAD YARDS OR RAILROAD  
SERVICE OBSERVED. SEVERAL SMALL INDUSTRIES OBSERVED  
BUT NO EVIDENCE OF SMOKE EMITTING FROM STACKS.

25X1D



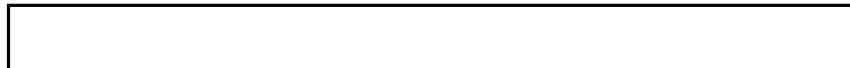
FU-CHOU COMPLEX 2605N 11918E

25X1A



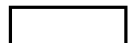
NO STACKS EMITTING SMOKE AND NO SIGNIFICANT  
ACTIVITY OBSERVED AT MAJOR INDUSTRIES.  
APPROXIMATELY 48 RAILROAD CARS OBSERVED IN 2  
RAILROAD CLASSIFICATION YARDS 2 NM NE OF FU-CHOU.

25X1D



SHAN-TOU COMPLEX 2322N 11640E

25X1A



NO MAJOR INDUSTRIAL AREAS OR CLASSIFICATION YARDS

SECRET

25X1



SECRET

25X1

NPIC/R-1513/63

IN COMPLEX.  
NO CONSTRUCTION ACTIVITY OBSERVED.

25X1D

25X1A

MAO-MING SHALE OIL PLANT 2141N 11052E

14.5 NM SOUTH OF MAO-MING AND 14 NM ENE OF HUA-HSIEN.  
OIL PLANT AREA 100 PER CENT COVERED BY CLOUD-FREE  
PHOTOGRAPHY.

PLANT, STILL UNDER CONSTRUCTION, CONTAINS 2 SHALE OIL  
RETORTS (ONE STILL UNDER CONSTRUCTION), 2 ADJACENT  
DISTILLATION UNITS, AND A PROBABLE BOILER HOUSE.  
CONSTRUCTION APPEARS COMPLETED ON ONE OIL RETORT AND  
ONE DISTILLATION UNIT.

25X1

(SEE ATTACHMENT 3).

25X1D

SAN-YUAN IRON AND STEEL PLANT SAN-MING 2616N 11737E

ONE NM NE OF SAN-YUAN.  
INSTALLATION COMPRISES 2 BLAST FURNACES, 10 BEEHIVE-  
TYPE COKE OVEN BATTERIES, ONE STEEL PLANT, ONE  
POWER PLANT, AND SEVERAL LARGE BUILDINGS UNDER  
CONSTRUCTION. AN ASSOCIATED AREA, 2 NM NORTH, IS  
UNDER CONSTRUCTION.  
(SEE ATTACHMENT 4).

25X1D

SECRET

25X1

SECRET

25X1

ATTACHMENT 1  
NPIC/R-1513/63



CHIENG-YANG AIRFIELD

NPIC 11-4932 (10/63)

SECRET

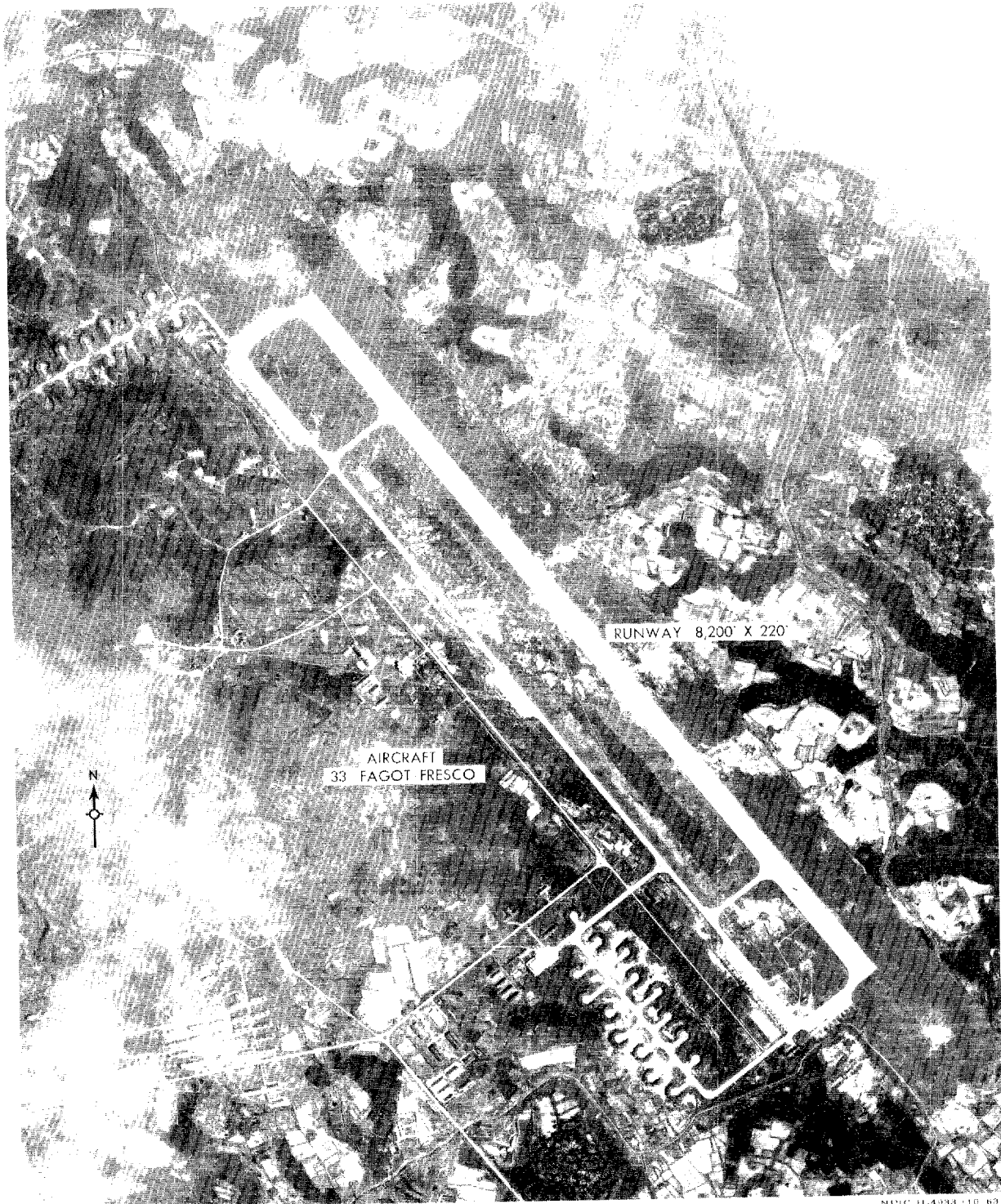
25X1

SECRET

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25X1

ATTACHMENT 2  
NPIC/R-1513/63



LING-SHUI AIRFIELD

NPIC 11-4933-110-631

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SECRET

25X1

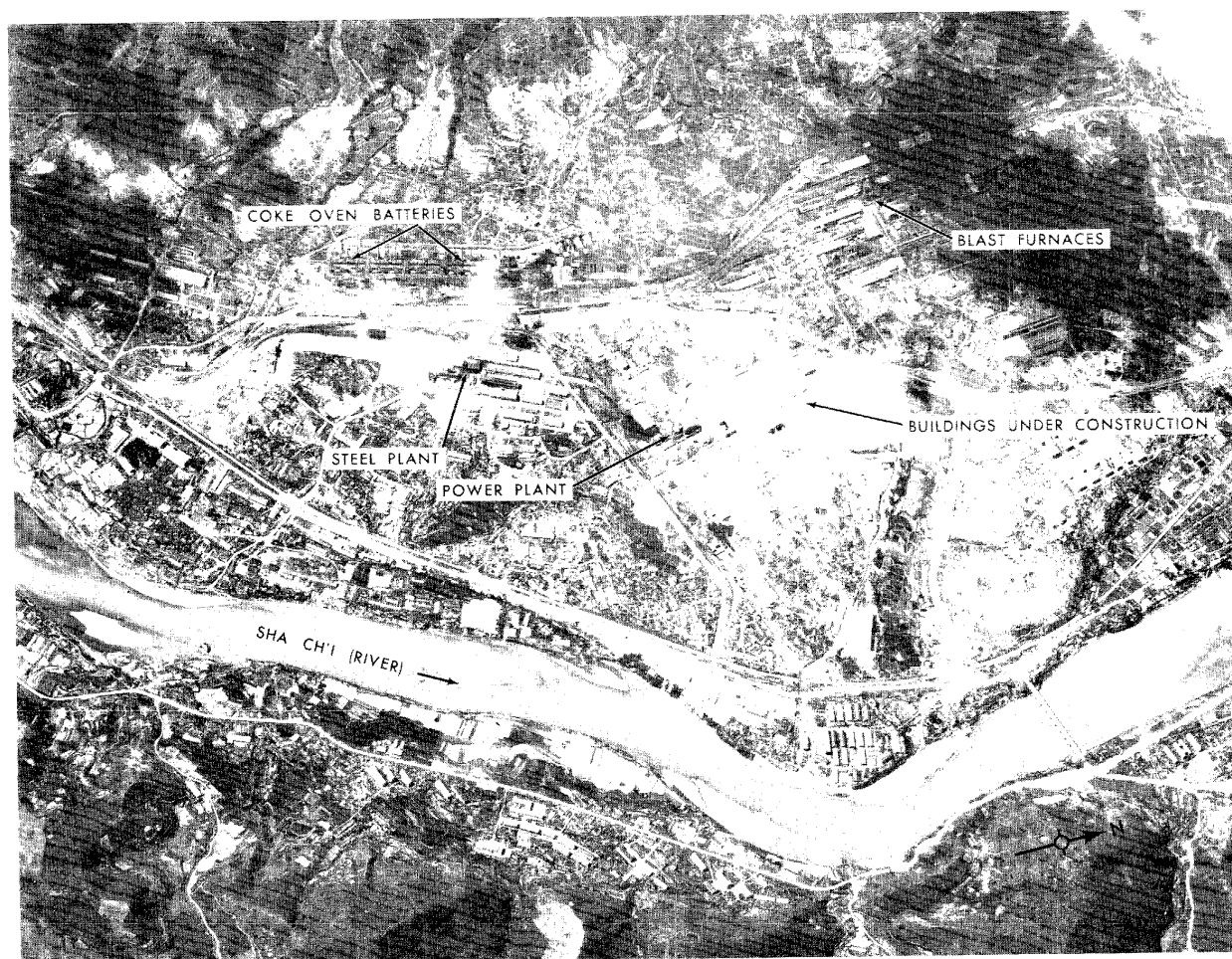


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SHALE OIL PLANT, MAO-MING

ATTACHMENT 3  
NPIC R-1513.63



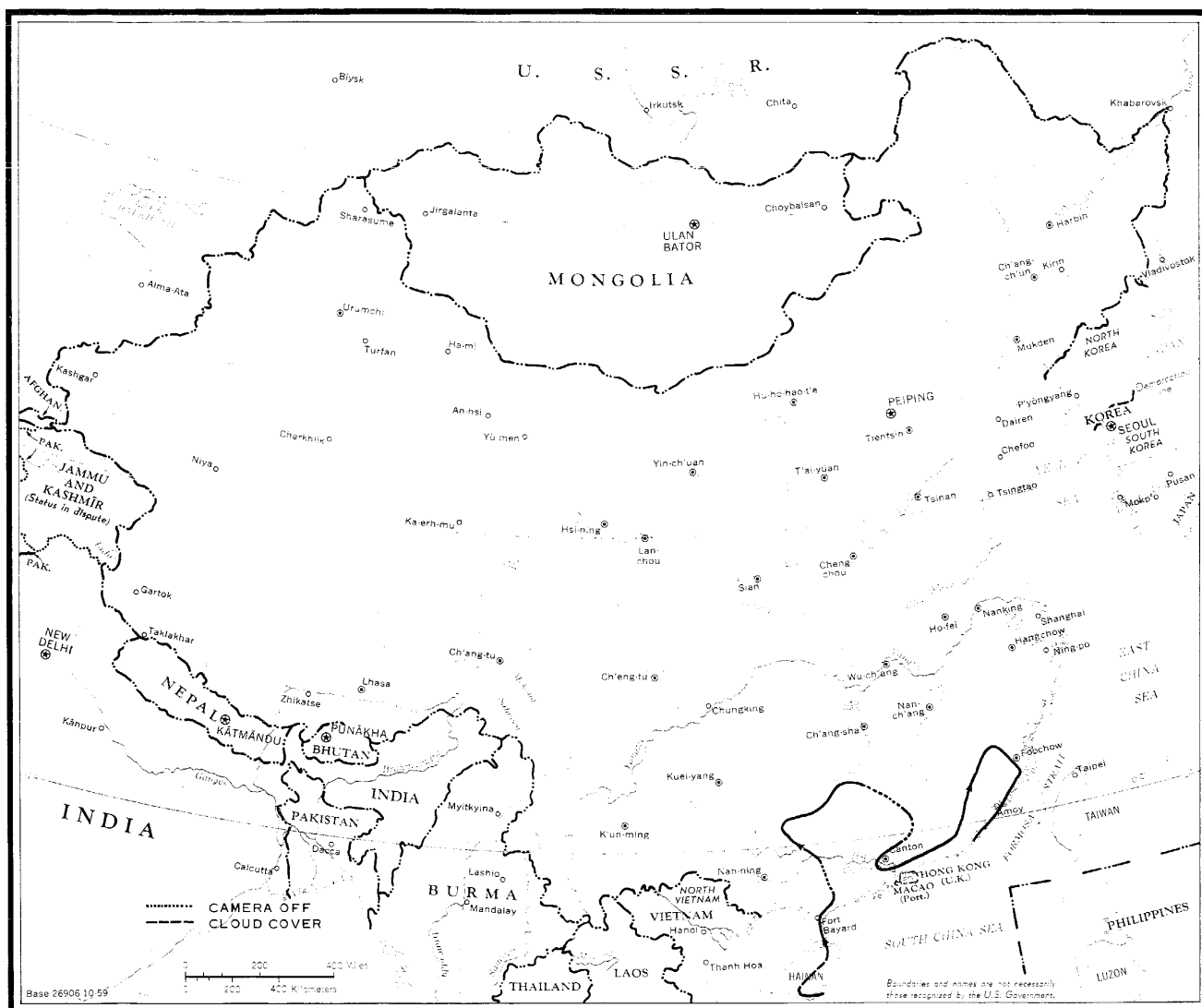


NPIC R-4955 (10-63)

COKE, IRON, AND STEEL PLANT, SAN-YUAN

ATTACHMENT 4  
NPIC R-1513/63

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NPIC H-4927 (10/63)

APPROXIMATE TRACK OF MISSION GRC 180, 30 SEPTEMBER 1963.

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NPIC/R-1513/63

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25X1

TA9  
TA17

SECRET

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25X1